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## WHAT IS CLAIMED IS:

- 1. An adhesive for sealing a wound, the adhesive comprising a cyanoacrylate, a substance, and a defect forming agent, wherein the defect forming agent is capable of being removed from a cured cyanoacrylate matrix by solvation in an aqueous solution whereby a plurality of defects in the matrix are formed permitting release of the substance from the matrix at a controlled rate.
- 2. The adhesive of claim 1, wherein the cyanoacrylate comprises butyl acrylate.
- 3. The adhesive of claim 1, wherein the cyanoacrylate comprises octyl acrylate.
- 4. The adhesive of claim 1, wherein the defect forming agent comprises a hydrophilic polymer.
- 5. The adhesive of claim 4, wherein the hydrophilic polymer comprises polyethylene glycol.
- 6. The adhesive of claim 5, wherein the polyethylene glycol has an average molecular weight of about 600.
- 7. The adhesive of claim 1, wherein the substance comprises a therapeutic agent.
- 8. The adhesive of claim 7, wherein the therapeutic agent is selected from the group consisting of anti-inflammatory agents, anti-infective agents, immunosuppressive agents, and anesthetic agents.
- 9. The adhesive of claim 7, wherein the therapeutic agent comprises an antibiotic.
- 10. The adhesive of claim 1, further comprising a water-soluble acidic antidegradation agent.
- 11. The adhesive of claim 10, wherein the water-soluble acidic antidegradation agent comprises Vitamin C.
  - 12. A method of sealing a wound, the method comprising the steps of: approximating the wound;

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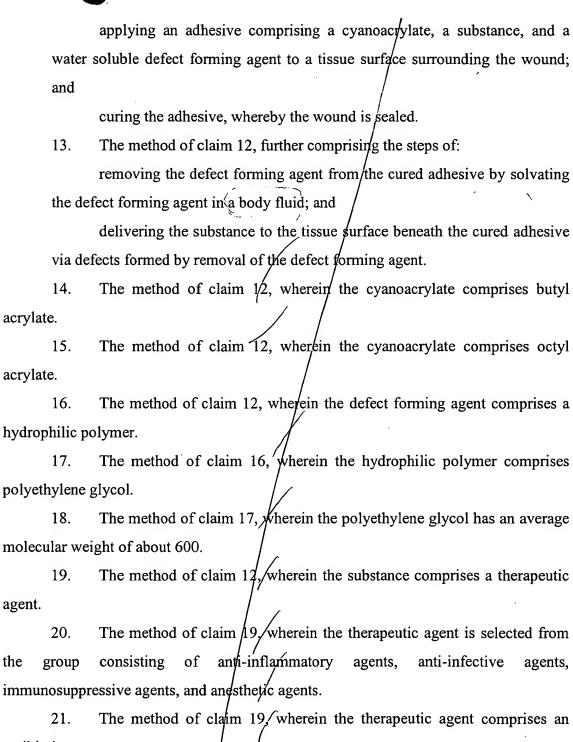
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agent.

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antibiotic.

- 22. The method of claim 12, wherein the wound comprises a skin laceration.
- The method of claim 12, wherein the adhesive further comprises a water-23. soluble acidic antidegradation agent.
- The method of claim 23, wherein the water-soluble acidic 24. antidegradation agent comprises Vitamin C.